

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 5    | ("20050011519"  <br>"5524632"   "5800470"<br>"6411843"  <br>"6816744").PN.  | US-PGPUB;<br>USPAT; USOCR   | AND              | ON      | 2008/08/08<br>11:59 |
| S2    | 562  | 600/ 546.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2008/08/08<br>12:26 |
| S3    | 187  | S2 and (ECG or EKG or<br>electrocardiogr\$5)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2008/08/08<br>12:26 |
| S4    | 375  | S2 not S3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2008/08/08<br>14:22 |
| S5    | 31   | ("3593718"  <br>"4157720"   "4253466"<br>"4256115"  <br>"4596251"   "4624265"<br>"4694830"  <br>"4697591"   "4702253"<br>"4776338"  <br>"4805621"   "4823797"<br>"4858611"  <br>"4961423"   "5201808"<br>"5273034").PN. OR<br>("5800470").URPN. | US-PGPUB;<br>USPAT; USOCR   | AND              | ON      | 2008/08/08<br>14:41 |

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| S6  | 25  | ("4155353"  <br>"4170225"   "4209860"<br>  "4213466"  <br>"4913146"   "4964411"<br>  "5003976"  <br>"5016635"   "5058602"<br>  "5277197"  <br>"5318039"   "5374193"<br>  "5579781"  <br>"5645073"   "5671752"<br>  "5697378"  <br>"5711307"  <br>"5820560").FN. OR<br>("6411843").URFN.  | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2008/08/08<br>14:42 |
| S7  | 27  | ("3905355"  <br>"3961627"   "3972327"<br>  "4867152"  <br>"4986268"   "5044362"<br>  "5107830"  <br>"5129390"   "5134995"<br>  "5353788"  <br>"5520192"   "5535738"<br>  "5582163"  <br>"5671752"   "5720278"<br>  "5794615"  <br>"5820560"   "5878744"<br>  "5884622"  <br>"5915381"   "5931162"<br>  "5953713"  <br>"6015388"   "6041780"<br>  "6158432"  <br>"6411843").FN. OR<br>("6920878").URFN. | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2008/08/08<br>14:45 |
| S8  | 258 | (BMG or electromyogra<br>\$5 or myoelectric)<br>same diaphragm\$5  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>14:48 |
| S9  | 20  | ("4213467"  <br>"5212476"  <br>"5349963").FN. OR<br>("5671752").URFN.  | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2008/08/08<br>14:53 |
| S10 | 95  | S8 and (ECG or EKG or<br>electrocardiogr\$5)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>15:09 |

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| S11 | 129  | (EMG or electromyogra\$5 or myoelectric) with (ECG or EKG or electrocardiogra\$5) with (filter\$3 or remov\$3 or subtract\$3 or separat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>15:24 |
| S12 | 529  | (EMG or electromyogra\$5 or myoelectric) and (ECG or EKG or electrocardiogra\$5) and (((EMG or electromyogra\$5 or myoelectric) or (ECG or EKG or electrocardiogra\$5)) with (filter\$3 or remov\$3 or subtract\$3 or separat\$3)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>15:41 |
| S13 | 400  | S12 not S11  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>15:42 |
| S14 | 89   | S12 and (frequency with window)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>15:55 |
| S15 | 1173 | 128/204.23.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>16:14 |
| S16 | 58   | (EMG or electromyogra\$5 or myoelectric) and (ECG or EKG or electrocardiogra\$5) and S15   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>16:15 |
| S17 | 226  | 128/203.14.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>16:21 |

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| S18 | 0   | ((EMG or electromyogra\$5 or myoelectric) and (ECG or EKG or electrocardiogra\$5) and S17  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/08<br>16:21 |
| S19 | 8   | ((URBAN) near2 (BLOMBERG)).INV.  | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2008/08/08<br>16:21 |
| S20 | 11  | ((FREDRIK) near2 (JALDE)).INV.   | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2008/08/08<br>16:22 |
| S21 | 20  | ("4213467"   "5212476"   "5349963").PN. OR ("5671752").URPN.   | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2008/08/11<br>14:43 |
| S22 | 428 | ((((EMG or electromyogra\$5 or myoelectric) or (ECG or EKG or electrocardiogra\$5)) with (filter\$3 or remov\$3 or subtract\$3 or separat\$3)) and ((EMG or electromyogra\$5 or myoelectric) same (ECG or EKG or electrocardiogra\$5)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/11<br>19:07 |
| S23 | 348 | ((((EMG or electromyogra\$5 or myoelectric) or (ECG or EKG or electrocardiogra\$5)) with (filter\$3 or remov\$3 or subtract\$3 or separat\$3)) and ((EMG or electromyogra\$5 or myoelectric) with (ECG or EKG or electrocardiogra\$5)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/11<br>19:07 |
| S24 | 305 | S23 and frequency  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/11<br>19:11 |
| S25 | 17  | ("3555529"   "3557777"   "4545383").PN. OR ("4940058").URPN.   | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2008/08/11<br>19:18 |

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| S26 | 42    | S23 and (frequency with window)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/11<br>19:33 |
| S27 | 2234  | adapt\$5 with noise with cancel\$5  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/11<br>19:37 |
| S28 | 31    | ((EMG or electromyogra\$5 or myoelectric) with (ECG or EKG or electrocardiogra\$5)) and S27   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/11<br>19:37 |
| S29 | 14612 | S27 or (adaptive adj filter\$3)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/11<br>19:43 |
| S30 | 78    | ((EMG or electromyogra\$5 or myoelectric) with (ECG or EKG or electrocardiogra\$5)) and S29   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/11<br>19:43 |
| S31 | 26    | (US-20060189882-\$ or US-20070129915-\$ or US-20030188748-\$ or US-20030226565-\$ or US-20050011519-\$ or US-20050085866-\$ or US-20050085865-\$ or US-20030135130-\$). did. or (US-3945374-\$ or US-5524632-\$ or US-5800470-\$ or US-6411843-\$ or US-5623939-\$ or US-5671752-\$ or US-5820560-\$ or US-7021310-\$ or US-6920878-\$ or US-6962155-\$ or US-4248240-\$ or US-6588423-\$ or US-6584347-\$ or US-6837241-\$ or US-5520192-\$ or US- | US-PGPUB;<br>USPAT;<br>DERWENT  | AND | ON | 2008/08/12<br>17:12 |

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|     |     | 7221975-\$ or US-4211237-\$).did. or (GB-2017312-\$).did. |   |     |    |                     |
| S32 | 1   | S31 and (frequency with fatigue)                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/12<br>17:12 |
| S33 | 1   | S31 and (frequency same fatigue)                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/12<br>17:12 |
| S34 | 27  | center with frequency with fatigue                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/12<br>17:14 |
| S35 | 0   | fatigue with frequency with ventilator                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/12<br>17:15 |
| S36 | 144 | fatigue with ventilator                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/12<br>17:15 |
| S37 | 79  | S36 and frequency   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/12<br>17:16 |
| S38 | 1   | S36 same frequency  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/12<br>17:16 |
| S39 | 913 | fatigue with diaphragm                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/12<br>17:18 |

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| S40 | 33 | S39 and ventilator | US; PG PUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/08/12<br>17:18 |
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8/12/2008 5:44:17 PM

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